DIVING TORPEDOES, DROPPED FROM AIR, NEW SEA WEAPON

In Recent Tests at Hampton Roads a Hit Amidships Was Scored by Missile Fired at Angle of 90 Degrees -

By DONALD MAC GREGOR.

scial Dispatch to THE NEW YORK HERALD. New York Herald Bureau. Washington. D. C., Oct. 7. HE newest development of the

navy air service, the firing of torpedoes from scaplanes, the success of which has just been demonstrated in a series of remarkable tests off the Virginia Capes, with the dreadnought Arkansas as a target, is causing no end of concern among the tactical officers aboard these monster fighting ships.

While the fleet officers are considering methods of defense against such torpedo attack, which admittedly presents many problems, work in perfecting offensive tactics is going ahead at the naval air station at the Hampton Roads naval base. The tests just completed have been valuable not to the fliers alone, but to those officers whose duty it is to keep in action what they believe probably always will be the backbone of naval warfare, the bat-

The success in firing torpedoes from seaplanes admittedly has brought the science of naval warfare into a new phase, with the result that, while bat-tleships will continue to be essential to supremacy at sea, that fighting force which is superior in the air will be dominant. It is the problem now of Admiral Jones and the other high officers of the fleet, who control naval aviation as well as surface craft, to coordinate the two for the best re-

The development of firing torpedoes from aircraft has been the work of a year and a half, largely in the hands year and a half, largely in the hands of Lieut. H. T. Bartlett, and it has been conducted at various stations along the Atlantic coast, Hampton Roads, Yorktown, Pensacola and Newport. One of the problems has been the perfection of a launching gear so the torpedo, carried under the scaplane, may be let go at the proper time; another has been the manufacture of a torpedo which when dropped into the water at from twenty to fifty feet will withstand the jar, recover it-self and function properly; still another has been the training of pilots and the working out of tactics for

The tests just completed with the battleship Arkansas as the target showed that these obstacles have been overcome to a large extent, although it must be said that this kind of torpedo firing is as yet not fully developed. The tests have demonstrated that there are many things yet to overcome—for instance, the necessity of the torpedoes, with the result that the for a better type of seaplane, to pro-The tests just completed with the overcome—tor instance, the necessity the torpeaces, will the transfer a better type of seaplane, to provide greater speed and endurance; a longer range for firing torpeaces, so could have been carried out only with that it will not be essential that the three transfer and the t

does to register hits and get away simplified,

mies, but in every other way except as right angles, making directly for the come without much trouble.

1,000 yards from the target let go the torpedoes. It was easy enough, from Experiments Altered

make for the target. Its course was easily discernible, as it traveled beneath the water at a depth of eighit made its way nearer and nearer.

Nine of the Torpedoes

the position of the vessel, sometimes tions, this is true, but the torpedo in time to dodge the torpedo. In spite has changed the situation materially. of this, however, nine of the torpedoes Nobody knows better than the Navy

The weather was ideal and there was called the Davis-Douglas plane. This which, indeed, there might not have battlefield as the Secretary of War side gaining decisive advantage and no opposition, excepting, of course, the ability of the battleship to dodge the oncoming torpedoes. In battle, natured on the disadvantages now recognized for in 1655, on the catch little army losing from 600 to between 800,000 and 2,000,000, peaceful cathedral. The exact location of his important topographical features; the Lood men. This was the engagement oncoming to pedoes. In battle, nature of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages now recognized for in 1655, on the exact location of his important topographical features; the Lood men. This was the engagement of the disadvantages and the location of his each little army location of his important topographical features; the Lood men and the location of his each little army location of his e rally, the seaplanes would have had a nized with the inadequate type of ship have blocked all attempts to provide rection of the Secretary of War, who Freeman's Farm, easy time. But conditions on now used.

PLANES MAKE TORPEDO HITS ON WARSHIPS



WAKE of TORPEDO SHOWING A HIT ON U.S.S. ARKANSAS

and One of the Santa Maria's Anchors Is at Cape Haitien

His Ashes Rest in

the Spanish

Cathedral There

ecial Correspondence to THE NEW YORK
HEALD.

PORT-AU-PRINCE, Sept. 30. TAITI and Santo Domingo, the eister republics that comprise one-third and two-thirds respectively of the island that Christopher Columbus christened Hispaniola, or Little Spain, on December 6, 1492, are rich in historical associations of the illustrious Genoese. Haiti was the site of the first settlement of white men in the New World, and Santo Domingo holds the ashes of Columbus in the Cathedral of Santo Domingo

While the fact that the bones of the First Admiral were interred in this cathedral has been established beyond cavil, little is known of the imprint that Columbus left on the Republic of Haiti, the newest ward of Uncle Sam.

Every schoolboy knows that Colum-bus, in his gorgeous trappings of a Spanish Admiral, first landed at San Salvador on October 16, 1492, with due pomp and ceremony. The details of the succeeding days, crowded with discoveries and conquests, are in the main forgotten. Lured on by the am-bition of making the mainland of Asia with the fabled cities of Marco Polo, he sailed from San Salvador and sighted the coast of Cuba on October French, British and Spanish fleets, 28. Coasting along its shores he rounded Cape Maysi on the eastern extremity, and while cruising through the Windward Passage saw in the distance the towering mountains of little Bay of Moustiques, Columbus Haiti as the island was then known.

The aborigines of San Salvador had cross and took possession of the island recited wondrous tales of the riches in the name of the King of Spain. of Babeque, and Columbus was confident that at last he had sighted the Indians a simple and lovable race, and mythical isle that lived only in the he believed that at last he had found

Mole St. Nicholas Was Haven of Columbus fitting with his thoughts. The native name of Haiti meant "mountainous

It was on December 6, 1492, that of Mole St. Nicolas, destined to bulk large in the sinister ambitions of Emperor Wilhelm for a base in the Wilhelm for a b peror Wilhelm for a base in the West landed at the small island of Tor-Indies four hundred odd years later, tugas, later the famed rendezvous of

of mountains thrusts up in long sharp curing the meat of wild cattle over

From the sea Cape St. Nicholas, as the privateersmen and smugglers who Christopher called it, looks like a settled there when Spain drove them tow-lying island, and behind it a range from the mainland. Their habit of shoulders whose gray sides are still small fires or "bucans" gave them the clothed in tropical verdure, mahogany name of buccaneers and from this

like grotesque sentinels the approaching caravels.

Thirty miles to the eastward, in the

seeking. To name it Hispaniola was

FOOTPRINTS OF COLUMBUS

of Acul, seventy odd miles from Mole St. Nicolas. From here, depleted by

dreams of gold and its tropical beauty, Bartholomew, to build a settlement on Thirty-nine Arana, were left as the garrison and Columbus sailed on January 4, 1493. which showed that of seventeen forpedoes launched nine hit the target.

The Arkansas was able to dodge three
of the torpedoes by quick maneuvering, although one of these went on
and, by accident, hit the North Daangle of 90 degrees.

The torpedoes of course were due.

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In which the battleship was travelling, and it is believed that when the public realizes that the probable and most
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of the which the battleship was travelling.

La Navidad, the first settlement of
white men in the Vestern Hemisphere
leaving behind him in the fort called
of apathy unbelievable and a vitines
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of apathy unbelievable and a vitines
of apathy unbelievable within two minutes the torpedo had ecovered itself and was turning at ecovered itself and was turning at least a welf-s making directly for the least a welf-s making directly mies, but in every other way except as right angles, making directly for the come without much trouble. There to explosive charge they were of the battleship. It was too late to swing are many thousands of citizens who navy standard type, weighing about around to escape the hit, which was could finance the Sarators preserved. honor of Spain. Finally the Indians first cathedral in the New World was established and maintained which by the civillans in the Congress attacked and wined out the conjugation of revolted and under their Cacique Cibao begun in 1514, destined to be the final

with seventeen ships and 500 men.

Many of them were recruited from shew of the great discoverer. the nobility, with soldiers, artisans, missionaries and domestic animals that Santo Domingo Was the island sadly lacked. Instead of the nucleus of a flourishing colony, ever, he found only the ruins of La

Tory troops were to march out with this, the first massacre of whites, was of stone; the palace of Don Diego, the the honors of war; the British were to due solely to the cruel treatment of a son of Columbus, who was made Govpeaceable race, for he left the cape ernor in 1509, fit for the reception of a homes in the colonies or in Canada on Sailing still to the east he landed mid- an imposing monument to the faith Santa Domingo, and named the set-tlement Isabella in honor of the gra-did not sack or pillage it. In the roof

condition of the surrender, the Tories, the command of Don Pedro Margarita, Seville, It was in 1537 that his bones with the exception of a few officers, a harsh soldier. On their arrival it was were transferred to Santo Domingo were transferred to the vicinity of estimated that the Indians numbered and there interred in the beautiful Boston and held there as prisoners of between 800,000 and 2,000,000, peaceful cathedral. The exact location of his where.

The victory aroused great enthusiasm throughout the country, and still taneous and generous. The gold that

MANY IN SANTO DOMINGO

MEMENTOS OF THE GREAT DISCOVERER

and anchored in the bottle shaped Bay down from the mountains.

in the surviving one for the expedi- of man power with which to enrich tion. He therefore called for volun- themselves, followed the introduction

the Navidad. Columbus must have realized that city of its size. Its houses were built

brother, Don Diego.

lawiess spot sailed the privateersmen failed to pay it were made prisoners and pirates who terrorized the Spanish to work in the mines for which Columbus had brought tools, or in the On to the east sailed the caravels streams that carried gold deposits

The life of the Indians, unaccustomed the loss of one of his caravels, Columbus again sailed east and made the entrance to the Bay of Cape Haitian. Castilians even vowed to kill twelve His flagship, the Santa Maria, came to grief on a coral reef at the entrance Apostles. The final clash came in a off the village of Petit Anse, and was battle on the Plain of the Vega Real. a complete wreck. From the shore The Spanish forces numbered 290, of came canoes filled with friendly In- which 100 were riflemen, 50 cavalry lians and with their aid the timbers 25 artillerists and 25 were crossbo of the wrecked caravel were salvaged men. In addition they had savage by the indomitable Admiral. With his dogs trained to hunt down the the indomitable Admiral. With his dogs trained to hunt down the in he landed on the present site of Indians. The caciques had mustered Cape Haitian, to-day the second city 100,000, untutored in war and unarmed of the Republic of Haiti, and filled with From the battlefield those who were not killed or made prisoners to slave

to Spain with news of his discoveries and to secure aid in establishing a to 60,000, and six years later reports

teers to man the fort against his of the slave trade from Africa with it disastrous results to the lives and

> During his absence in Spain, from Columbus had authorized his brother, the present site of Santo Domingo, on tholomew, seeing the flasco of Isabella, moved the colonists overland, mouth of the Ozama River and named it New Isabella. A hurricane de-stroyed it in 1502 and he promptly right side of the river and christened it Santo Domingo. That had been the name of the father of Columbus

It was almost a year later, on No-vember 22, that Columbus returned To-day it is in excellent preservation and the most treasured of its lewels ashes of the great discoverer.

Solidly Built of Stone

Even as early as 1528 Santo Domingo was not inferior to any Spanish

When Columbus died in irons at If Unable to Pay Tax Valladolid in 1506 his remains were The soldiery of Isabella were under not removed until 1513, and then to

FAMOUS SARATOGA BATTLEFIELD A NEGLECTED AMERICAN SHRINE

By DAVID G. BAILLIE. longer range for firing torpedoes, so land the theorem a firing program to firing torpedoes, so conversation, more stenographically reported speechmaking, more official for a still greater problem, that of dropping a torpedo from a distance of dropping a torpedo from a distance of the surface of the water. These weak-nesses are recognized, and the airmennesses are recognized and the relice of the matter of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of the sexcet date of the first fight (indecisive) was September 19, and of th to get to the target, launch the torpe- so that the dodging by the ship was the Sons and the Daughters of the ferred to the Committee on Military again. The comparative success of But all this calculation was upset this was demonstrated in the tally, when one of the seaplanes swooped which showed that of seventeen torpedoes launched nine hit the target, in which the battleship was travelling pedoes launched nine hit the target. It is not dead, but sleeping.

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It is not dead, but sleeping.

Saratoga Field to-day is an unperconduction of the seaplanes swooped ciety and other patriotic organizations, pedoes launched nine hit the target. It is the latest of a long train of endeavors. Pursuing invariably the preary and dilapidated, a testimon

The torpedoes of course were dum- recovered itself and was turning at of money this obstacle will be over-

Historic Preservation Society would

nized with the inadequate type of ship have blocked all attempts to provide rection of the secretary of war. Who is breakly authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ qualistic money for even the most is bereby authorized to employ a proper the most is bereby authorized to employ a proper the most is bereby auth

ETWEEN October 7, 1777, and the-present day there has been more stenographically reported more stenographically reported to the opinions of mankind."

absolutely necessary if this Republic priation."

Saratoga a Literary as Well as His The exact date of the specific principle.

confusion caused by the torpedo attendezvous tack. He regarded this as one of the answer than there has been on almost any made one of the nation's greatest and the field.

other subject in the purview of American street than there has been on almost any made one of the nation's greatest and the field.

New England cities are bestirring of the higgest and best attended in the purview of the higgest and best attended in the purview of the higgest and best attended in the purview of the higgest and best attended in the purview of the higgest and best attended in the purview of the higgest and best attended in the purview of the higgest and best attended in the purview of the higgest and best attended in the purview of the night, the Tories stole the night and permanent care of the night.

navy standard type, weighing about around to escape the hit, which was could finance the Saratoga preserva- and preservation of data showing the

The torpedo would land in the water with a great splash and then go out of sight. It required a minute and a half or two minutes for the torpedo to recover itself in the water and then go out of sight. It required a minute and a half or two minutes for the torpedo content of the destruction of the tent of it, would be recognized as a public of it. the Torpedoes

the Saratoga Monument at Schulylerville.

Torpedoes

the Guide deflective only if

the Albary in May, 1777. Gen. Burgoyne,

with a Tory and Imperialist army

the Saratoga Monument at Schulylerville.

Torpedoes

able conditions, and then in engage
ments which were not far from land.

Torpedoes

ments which were not far from land.

Saratoga Field to-day is an un-

"Be it enacted by the Senate and into telephone communication. The cially and definitely authorized, an Historic Preservation Society would "Be it enacted by the Senate and be the logical disburser of the cash tor expenses, preferably acting in the field of the cash tor expenses, preferably acting in the field of the cash to the bridge of the Arkansas, to see the logical disburser of the cash these drop. When they were let go the planes would get up again and duck out of the way, turning off and making for base.

The natural tendency of some officers aboard the fleet to belittle air-making for base.

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The torpedo would land in the water with a constitution with other representative of Representatives of the United States of America in Congress as a family. He should be picked from the world war the world war about form the field, with-making for a well informed veteran with states of America in Congress as a family. He should be picked from the world war affect to world with our Congressional agreement, super-vision and ratification, may not give the world war family. He should be natural for a well informed veteran with states of America in Congress as a family. He should family the world war family. He should be natural for a well informed veteran with states of America in Congress as a family. He should be natural for a well informed veteran with states of America in Congress as a family. He should be natural for a well informed veteran with states of America in Congress as a family. He should be appropriate for a well informed veteran with sta

In the attack on the Arkansas the seaplanes carrying torpedoes flew from the naval base at Hampton FRoads, a distance of ninety miles, to be seen of the operations. The torpedoes were slung under the seaplanes, accompanied by two other pedoes were slung under the seaplanes, in order to let go their torkansas, accompanied by two other pedoes, headed straight for the battle-to in behalf of the American public, and, according to latest available results of the maneuvers.

An interesting detail of the whole at the mondance was the firing of a torpedoes flew performance was the firing of a torpedoes of ninety miles, to be severed the same and objects connected with the Stars and Stripes.

Recent investigation by an examination, the writer was a member has been followed by another stirring up of the Saratoga subject, and, according to latest available reflect that the billion in the surviving one for the expediation. He therefore called for volunteers to man the fort against his of the saintent of the Marcian ranks, many of the standstill, and it is most painfully evident that the billion in the surviving one for the expediation. He therefore called for voluntions are corrected with the Revolution, according to special dependence Day celebration held under the Stars and Stripes.

Recent investigation by an examination, the writer was a member has been followed by another stirring up of the Saratoga subject, and, according to latest available reflect that the billion information, the Saratoga pressible information, the Saratoga pressible information, the Saratoga pressible connected with the Revolution. According to special dispatches published recently in the surviving one for the expediation. He Revolution. According to special dispatches published recently in the surviving one for the expediation. He therefore called for voluntions are strictly as a strategian performance was the first of the strategian performance was the first of the writer was a strategian performance was the first of the strategian performance In the attack on the Arkansas the essential results of the manesters.

One subject in the purview of Amerotra testification and six years after reports to septian the hole of the biggest and best attended in dependence Day celebration held under the subject in the purview of Amerotra testification and six years after reports to the biggest and best attended in dependence Day celebration held under the subject in the biggest and best attended in dependence Day celebration held under the subject in the biggest and best attended in dependence Day celebration held under the subject in the biggest and best attended in dependence Day celebration held under the subject in the biggest and best attended in dependence Day celebration held under the subject in the biggest and best attended in dependence Day celebration held undependence Day celebration he orth Dakota, were under way, steamg at seventeen knots an hour.

The problem for the seaplanes was tell which was about to fire a torpedo.

The problem for the seaplanes was tell which was about to fire a torpedo.

Again is the question being asked by Again is the Que

Found Their Target
Observers, stationed all over the battleship, reported by telephone to battleship, reported by telephone to battleship. With wall almost impossible the bridge, where the navigator shifted to destroy a battleship. With limitative position of the vessel, sometimes tions, this is true, but the torpedo standing Example

Of the Neglect of a Shrine

New York for the purpose of erecting monuments or tablets to mark such positions and military movements, and men advanced to attack the American of this, however, nine of the torpedoes Nobody knows better than the Navy hit, regarded generally as a remarkably high score.

In furtherance of the torpedo firing dights and the Burgoyne capitulation.

Of course the conditions of the test the naval air service has drawn up plans for a new type of seaplane, to be the nation of these events, without the first of the momentum importance also to make an estimate of the probability and men advanced to attack the American positions and military movements, and for the preservation of said battleft, but was met at Freeman's Farm for the naval air service has drawn up plans for a new type of seaplane, to be the nation of these events, without the first of the momentum importance also to make an estimate of the probability and the first of the momentum importance also to make an estimate of the probability and the first of the momentum importance also to make an estimate of the probability and the first of the momentum importance also to make an estimate of the probability and the first of the momentum importance also to make an estimate of the probability and the first of the momentum includes two for the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the mergeout of the preservation of said battleft, but was met at Freeman's Farm for the preservation of said battleft, but was met at Freeman's Farm for the preservation of said battleft, but was met at Freeman's Farm for the preservation of said battleft, but was met at Freeman's Farm for the preservat the First Battle of where.

surrounding completely the latter. No longer daring to risk aggressive battle, and fearing attack by the vastly 1,600 pounds.

The planes, from an altitude of about 2,000 feet, swooped down to within with explosives, to have sent the battern of the planes, from an altitude of about 2,000 feet, swooped down to within with explosives, to have sent the battern of the planes, from an altitude of about 2,000 feet, swooped down to within with explosives, to have sent the battern of the project without anybody's help; various positions and movements of and by popular subscription the needed and by popular subscription the needed and would be raised on the project without anybody's help; various positions and movements of and by popular subscription the needed and would be raised on the project without anybody's help; various positions and movements of and by popular subscription the needed and would be raised on the project without anybody's help; various positions and movements of and by popular subscription the needed and would be raised on the project without anybody's help; various positions and movements of and by popular subscription the needed and would be raised on the project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody's help; various positions and movements of any project without anybody any project without anybody any project without anybody any project without anybody any proje

> vention or military agreement, ondition they should not serve again

> In accordance with this agreement on October 17 Gen. Burgoyne formally surrendered to Gen. Gates between 5,000 and 6,000 men.

Congress Fails to Ratify; Tories Are Held Captive

On the refusal by Congress to ratify Natives Were Enslaved the convention or agreement, which, it has been claimed, was the qualifying

The operation conducted with the Arkansas at the center of attack might be called upon to go to 10,000 or of a proposed survey, absolutely surveys and disgrams and estimates of denuity and despairing of any immediate of the content of a proposed survey, absolutely surveys and disgrams and estimates of the content of a proposed survey, absolutely surveys and disgrams and estimates of the content of a proposed survey, and and ordered that all marks of identifications are standing now in the way mining that his supplies were cut of, and despairing of any immediate of the content of a proposed survey, absolutely surveys and disgrams and estimates of the content of a proposed survey. Absolutely surveys and disgrams and estimates of the content of the

doubt every pare diagrams showing the changing the fact that movements and positions during those culminated in battles, with reference to the study

cious Queen of Spain. It proved to be of the cathedral to-day is imbedded an unfortunate site and was abandoned a round shot from a British frigate soon after Columbus again sailed for but the city is fortunately free from and left in command his the destruction that has lowed war or revolution in Haiti, and